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SUBSTITUTE FORM PTO-1449 (MODIFIED)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 04873/074001

FILING DATE March 24, 1998 SERIAL NO. 09/047,011

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) APPLICANT Paul Dvorkis et al.

> GROUP 2112

(37 CFR 1.98(b))

XAMINER NITIAL	PATENT NUMBER								$\top$	I SSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5-7 4 2 0 3		5	8	04/21/98 Dvorkis et al.			0 ===					
	AB	5	5	9	1	9	5	5	4	01/07/97	Spencer			L
	AC	5	4	4	0	1	1	1	1	08/08/95	Eastman et al.			8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5
	AD	5	4	2	0	4		1	1	05/30/95	Salatto, Jr. et al.			-S
	AE	5	3	3	2	8	9	9	2	07/26/94	Li et al.			10
	AF	5	2	8	0	1	1	6	1	01/18/94	Niwa			ř <b>=</b>
	AG	5	2	5	0	7	1	9	1	10/05/93	Heiman, et al.			
	АН	5	2	3	5	1		6	7	08/10/93	Dvorkis, et al.			
	AI	5	2	2	9	5	5	9	1	07/20/93	Heiman, et al.			
	AJ	5	2	1	8	1	1	9	0	06/08/93	Hardesty, et al.			
	AK	5	2	0	0	5	5	9	7	04/06/93	Eastman et al.			
	AL	5	1	9	4	7	7	2	0	03/16/93	Reinnagel, et al.		<u> </u>	
	AM	5	1	7	0	7	2	7	7	12/08/92	Bard et al.			
	AN	5	1	1	5	:	3	3	4	05/19/92	Tomita			
	AO	5	0	8	1	1	6	3	9	01/14/92	Synder et al.			
	AP	5	0	7	3	1	9	5	4	12/17/91	Van Tyne, et al.			
	AQ	5	0	6	7	1	0	9	3	11/19/91	Przybylowicz, et al.			
	AR	5	0	6	4		2	5	8	11/12/91	Inokuchi, et al.		<u> </u>	
	AS	5	0	4	7	1	6	1	7	09/10/91	Shepard, et al.			
	AT	5	0	3	4	•	9	0	4	07/23/91	Moy			
	AU	5	0	1	5	5	8	3	1	05/14/91	Eastman et al.			
···········	AV	5	0	1	3	3	8	9	5	05/07/91	Iggulden, et al.			
	AW	4	9	9	7 2	2	6	4	9	02/12/91	Mampe, et al.			
	AX	4	9	8	3 0	0	5	4	4	10/25/91	Winter			<del> </del>
	AY	4	9	3	3 3	3	5	3	8	06/12/90	Heiman, et al.			
	AZ	4	9		1 6	6	2	9	8	04/10/90	Raphael			
	AAA	4	. 8	3 9	7 (	6	0	2	6	01/23/90	Krichever, et al.		:=	

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	BB	4	8	6	0	2	2	6	08/22/89	Martin, et al.			
	вс	4	8	4	1	1	2	9	06/20/89 Tawara et al.				
	BD	4	8	2	6	2	6	9	05/02/89	Streifer, et al.			
	8E	4	8	2	5	0	4	8	04/05/89	Poland			
	BF	4	8	2	2	9	8	6	04/18/92	Guthmueller, et al.			
	BG	4	8	2	0	9	1	1	04/11/89	Arackellian, et al.			-
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	ВЈ	4 7 2 1 8 6 0					6	0	01/26/88	Troendle			
	вк	4	7	0	5	9	3	9	11/10/87	Ulinski, Sr.			
	BL	4	6	5	2	7	5	0	03/24/87	Eastman, et al.			
	ВМ	4	6	4	1	0	1	8	02/03/87	Mazumder, et al.			
	BN	4	6	0	6	6	6	0	08/19/86	Bradshaw, et al.			
	во	4	5	7	0	0	5	7	02/11/86	Chadima, Jr., et al.			
	ВР	4	5	6	0	8	6	2	12/24/85	Eastman et al.			
	BQ	4	5	5	5	1	6	4	11/26/85	Feinbloom			
	BR	4	5	3	8	8	9	5	09/03/85	Higgins, et al.			
	BS	4	5	0	8	6	8	6	04/02/85	Shaber, et al.			
<u>.</u>	вт	4	5	0	0	7	7	6	02/19/85	Laser			
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	8V	4	3	6	0	7	9	8	11/23/82	Swartz, et al.			
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	BZ	3	7	8	0	2	7	0	10/18/73	Faulkner, et al.			
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CR	Barkan, Automatic I.D. News, "Author Verifies the Key to Bar Codying Success", (Nov. 1988)
cc	Grabowski, et al., "Code Reading Mechanical Scanning Gun", IBM Technical Disclosure Bulletin, Vol. 5, No. 5
CS	October 1962

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APPLICANT Paul Dvorkis et al.

FILING DATE

GROUP 2112

(37 CFR 1.98(b))

## March 24, 1998 U.S. PATENT DOCUMENTS ISSUE FILING DATE **EXAMINER** IF APPROPRIATE DATE PATENTEE CLASS **SUBCLASS** PATENT NUMBER INITIAL 235 7 08/01/95 Reddersen et al. 462 8 1 8 5 4 3 AA 235 467 04/19/94 Metlitsky et al. 7 8 8 5 3 0 4 AR 3 9 03/01/94 Harris 359 18 5 2 9 1 1 AC Krichever et al. 235 462 2 4 10/19/93 5 5 4 8 4 ΑD 235 462 08/03/93 Metlitsky et al. 5 2 3 3 1 7 0 ΑE 05/11/93 Metlitsky 235 462 5 2 0 3 9 8 ΑF 1 454 05/31/88 Dickson 235 7 8 3 6 4 1 AG AΗ ΑI AJ ΑK FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION TRANSLATION **PUBLICATION** CLASS SUBCLASS COUNTRY OR DATE DOCUMENT NUMBER PATENT OFFICE YES NO abstract 3/1984 Japan 60-195639 AL. AM AN ΑO ΑP OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) Yamazaki et al, "New Holographic Technology for a Compact POS Scanner," Applied Optics, Vol. 29, No. 11 AQ (April 1990) AR AS DATE CONSIDERED EXAMINER

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